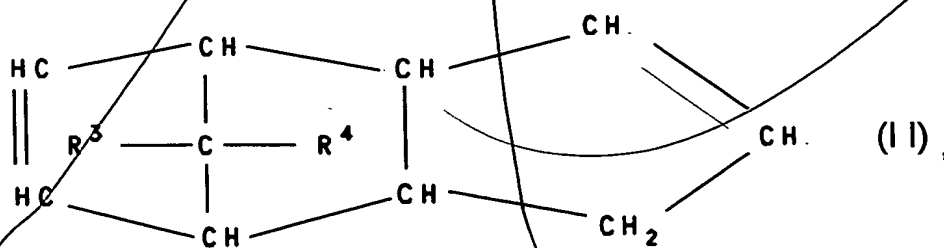
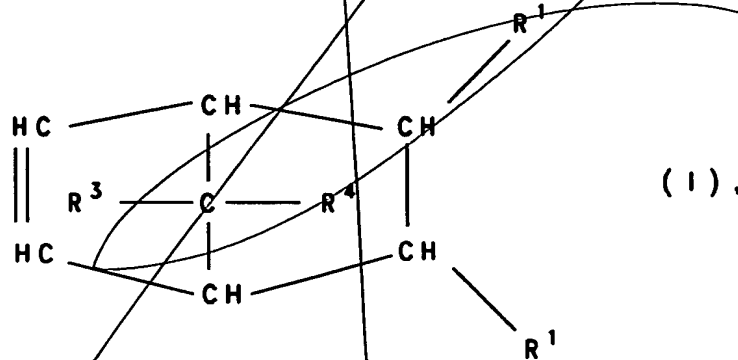
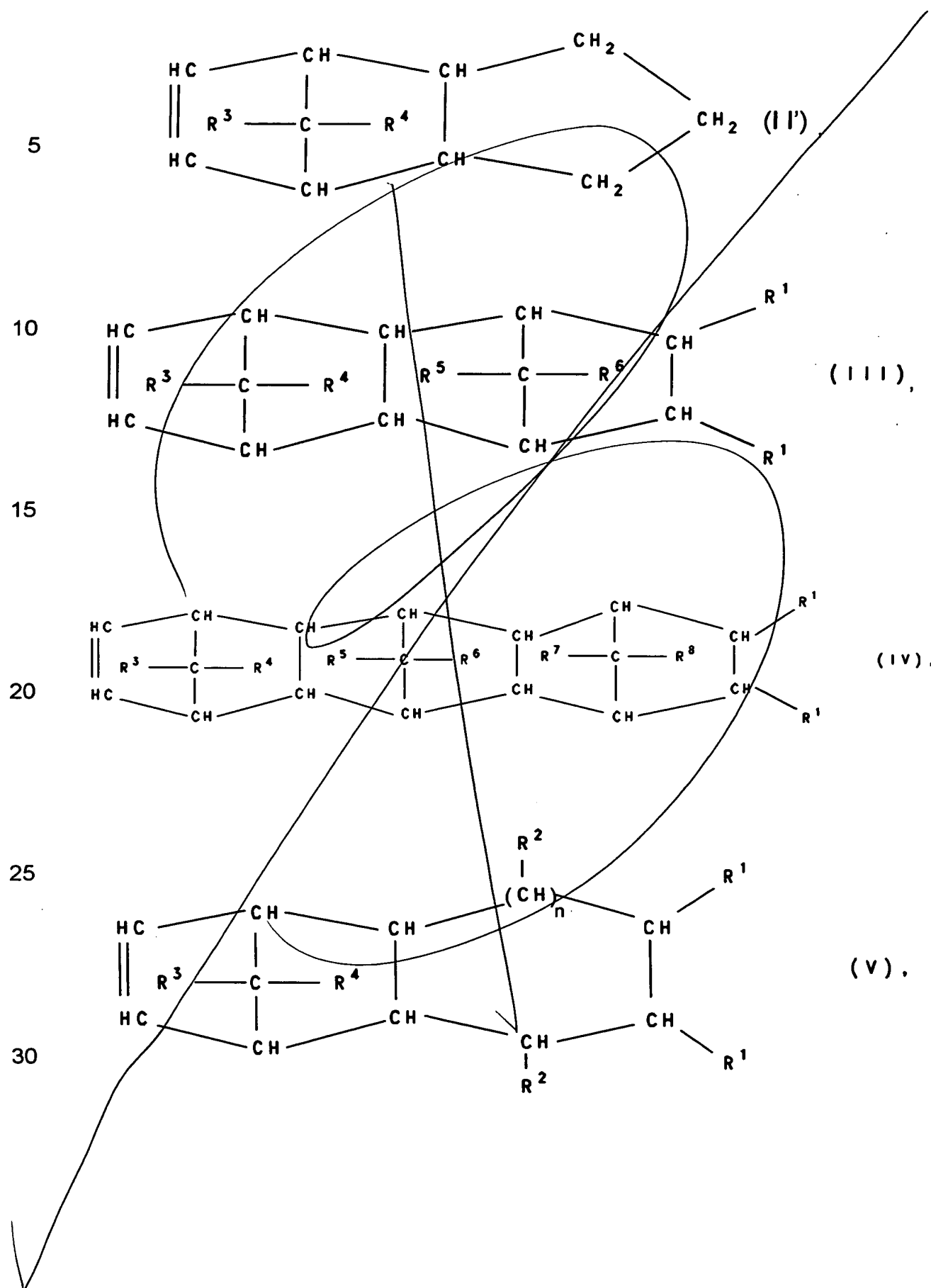
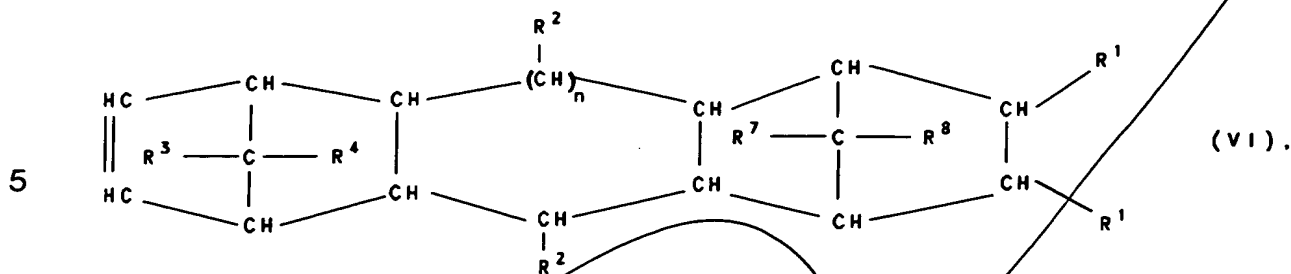


Patent claims

1. A mono- or multilayer film comprising at least one layer of a cycloolefin polymer or of a mixture of cycloolefin polymers with one or more thermoplastics, where the mono- or multilayer film has, at a relative humidity of approximately 85% and a temperature of approximately 23°C, a water vapor permeation of $\leq 0.035 \text{ g} \cdot \text{mm}/\text{m}^2 \cdot \text{d}$, a puncture resistance of $\leq 300 \text{ N/mm}$ and a thickness of $\leq 100 \mu\text{m}$.
2. A mono- or multilayer film as claimed in claim 1, where the mono- or multilayer film comprises at least one cycloolefin polymer selected from the class of polymers comprising from 0.1 to 100% by weight, preferably from 0.1 to 99.9% by weight, based on the total weight of the cycloolefin polymer, of polymerized units of at least one cyclic olefin of the formulae I, II, II', III, IV, V or VI







10 where $R^1, R^2, R^3, R^4, R^5, R^6, R^7$ and R^8 are identical or different and are hydrogen or a C_1 - C_{20} -hydrocarbon radical, such as a linear or branched C_1 - C_8 -alkyl radical, C_6 - C_{18} -aryl radical, C_7 - C_{20} -alkylenearyl radical, a cyclic or acyclic C_2 - C_{20} -alkenyl radical or form a saturated, unsaturated or aromatic ring, where the same radicals R^1 to R^8 may be different in the different formulae I to VI, where n is

15 from 0 to 5, and from 0 to 99 mol %, based on the entire structure of the cycloolefin copolymer, of polymerized units derived from one or more acyclic olefins of the formula VII

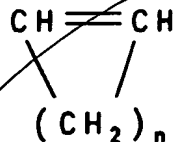


25 where R^9, R^{10}, R^{11} and R^{12} are identical or different and are hydrogen, a linear or branched, saturated or unsaturated C_1 - C_{20} -hydrocarbon radical, such as a C_1 - C_8 -alkyl radical or a C_6 - C_{18} -aryl radical.

3. A mono- or multilayer film as claimed in claim 1, where the mono- or multilayer film comprises at least one cycloolefin polymer which is obtained by ring-opening polymerization of at least one of the monomers having the formulae I to VI, followed by hydrogenation of the resultant products.
- 30 4. *a* A mono- or multilayer film as claimed in *claim 1* ~~one or more of claims 1 to 3~~, where the mono- or multilayer film comprises at least one cycloolefin polymer which contains from 0 to 45 mol%, based on the entire structure of the cycloolefin

copolymer, of polymerized units derived from one or more monocyclic olefins of the formula VIII

5



(VIII),

where n is a number from 2 to 10.

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5. *a* A mono- or multilayer film as claimed in *claim 1* ~~one or more of claims 1 to 4~~, where the mono- or multilayer film is monoaxially oriented and has a stretching ratio of from 1.1 to 4.0.

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6. *a* A mono- or multilayer film as claimed in *claim 1* ~~one or more of claims 1 to 5~~, where the mono- or multilayer film contains one or more of the inorganic fillers titanium dioxide, barium sulfate, calcium sulfate, calcium carbonate and barium carbonate.

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7. *c* The use of a mono- or multilayer film as claimed in *claim 1* ~~one or more of claims 1 to 6~~ as backing film for blister packs.
8. The use of a blister pack as claimed in claim 7 for storing and transporting pharmaceutical products, particularly dry oral preparations.

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